



SAPHENEIA AND BOLIVAR MEDICAL CENTER COLLABORATE TO REDUCE CT DOSE

Clarity™ CT Solution REDUCES EFFECTIVE DOSE BY UP TO 55%

July 27, 2009 – Sapheneia, a global imaging services company, today announced the initial results of an on-going partnership with Bolivar Medical Center of Cleveland, MS designed to materially reduce CT radiation dose for patients by using Sapheneia's **Clarity™ CT Solution** software.

The partnership involves the implementation of **Clarity CT Solution** software in clinical production within the radiology department at Bolivar Medical Center to address the growing concern over radiation dose exposure to patients during CT diagnostic imaging. Following the installation of **Clarity**, Sapheneia and Bolivar Medical Center worked together to achieve material radiation dose reduction on CT exams while maintaining or improving image quality and diagnostic confidence for head, chest and abdomen scanning protocols.

Commenting on the results of the partnership, Patrick Sewell, M.D. at Bolivar Medical Center says, "Even after a couple months of having the dose reduced by 30% and in many cases reduced by 55%, I am still stunned that the **Clarity** processed CT images are as good or better than the full dose CT images obtained on the same CT prior to using **Clarity**. The fact that we can achieve the same diagnostic quality CT at up to 55% dose reduction excites me and directly addresses our need to protect the patients in our institution."

The partnership gives Bolivar Medical Center an ability provide the benefits of dose reduction and image quality improvement to local referring physicians and their patients. Bolivar Medical Center is committed to delivering exceptional healthcare service to the community and the **Clarity CT Solution** is well aligned with that commitment.

Commenting on the image quality for the low dose images processed by **Clarity** at BMC, Dr. Jian-Feng Chen, Ph.D., a medical physicist said, "Test results show that the image quality of CT images using **Clarity** is better than the image quality of CT images without using **Clarity**. The noise level was reduced, while the object contrast was kept the same."

"We are proud to collaborate with Bolivar Medical Center on reducing medical radiation dose, while maintaining and improving diagnostic image quality" states Hans Grahn, Ph.D., CEO, Sapheneia.

About Sapheneia

Sapheneia is a global, ISO-certified imaging services company specializing in diagnostic and analytical image processing solutions. Sapheneia's mission is to provide medical image optimization products to promote higher diagnostic confidence, greater patient and medical staff safety, and improved cost-effectiveness of medical imaging. Sapheneia's **Clarity CT Solution** enhances the diagnostic quality of images based on settings optimized by the radiologist. This enables lower radiation dose exposures while simultaneously providing radiologists with the diagnostic confidence previously available only when reading the same images at full dose.

For more information, visit our website at www.claritysolutions.org

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